



**Alan C. Lloyd, Ph.D.**  
Agency Secretary

# Air Resources Board

**Cindy K. Tuck, Chair**  
1001 I Street • P.O. Box 2815  
Sacramento, California 95812 • [www.arb.ca.gov](http://www.arb.ca.gov)



**Arnold Schwarzenegger**  
Governor

August 11, 2005

# 05-02

Mr. Thomas J. Smith  
Chief Engineer  
Hirt Combustion Engineers, Inc.  
3659 San Gabriel River Parkway  
Pico Rivera, California 90661

Dear Mr. Smith:

On June 8, 2005, the California Air Resources Board (ARB) issued an updated Approval Letter #03-06a for Onboard Refueling Vapor Recovery (ORVR) compatibility with the Hirt VCS 400-7 system, certified under Executive Order G-70-177-AA. Approval Letter #03-06a limits the system to eight unihose dispenser configurations or eight multiple hose dispenser fueling points maximum. On June 22, 2005, ARB staff witnessed a demonstration conducted by Hirt Combustion Engineers, Inc. at a gasoline dispensing station (GDF) in Oakdale, California. The purpose of the demonstration was to determine whether the Hirt VCS 400-7 system is capable of operating as certified with more than 8 fueling points.

The results showed that the Hirt VCS 400-7 system met the minimum ORVR compatibility requirements. Based upon the results of the Hirt ORVR demonstration, and a subsequent ARB fueling point analysis, the Hirt VCS 400-7 system is hereby approved for ORVR compatibility with no more than 16 fueling points.

After April 1, 2005, only EVR certified Phase II vapor recovery systems shall be installed in new facilities. After March 1, 2006, all Vapor Recovery systems installed on all California GDFs must be compatible with vehicles equipped with ORVR systems. After January 1, 2009, all gasoline dispensing facilities utilizing underground storage tanks must comply with Phase II EVR requirements as set forth in CP-201, Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities.

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.*

California Environmental Protection Agency

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If you have questions or need further information, please contact either Joe Guerrero at (916) 324-9487 or via email at [jguerrer@arb.ca.gov](mailto:jguerrer@arb.ca.gov) or Sam Vogt at (916) 322-8922 or via email at [svogt@arb.ca.gov](mailto:svogt@arb.ca.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Will Loscutoff", written over a light blue rectangular background.

William V. Loscutoff, Chief  
Monitoring and Laboratory Division

cc: Elizabeth Haven  
State Water Resources Control Board

Tania Leisten  
Monterey Bay Unified Air Quality Management District

Randy Matsuyama  
South Coast Air Quality Management District

Sam Oktay  
Mojave Desert Air Quality Management District

Bob Bradt  
Hirt Combustion Engineers

Jim Swaney  
San Joaquin Unified Air Pollution Control District